Claims

1.   An information playback apparatus for playing back contents

formed by including one or more data sets having a plurality of

5   files for storing presentation data and having playback control

data for managing contents of each of said files, said information

playback apparatus comprising:

    signal processing means for performing a playback of said

presentation data in accordance with control contents of said

10   playback control data;

    abnormality detecting means for detecting whether there is

an abnormality in said playback control data; and

    control means for, when said signal processing means is playing

back said presentation data and once said abnormality detecting

15   means detects an abnormality in said playback control data, detecting

a data set to which the playback control data containing said

abnormality belongs, and causing the signal processing means to

perform a playback from the presentation data stored in an initial

file belonging to the detected data set, without following said

20   playback control data belonging to the detected data set.

2.   An information playback apparatus for playing back contents

formed by including one or more data units having presentation data

and playback control data for managing the contents of the

25   presentation data, said information playback apparatus comprising:

48

signal processing means for performing a playback of said presentation data in accordance with control contents of said playback control data;

abnormality detecting means for detecting whether there is

5   an abnormality in said playback control data; and

control means for, when said signal processing means is playing back said presentation data and once said abnormality detecting means detects an abnormality in said playback control data, detecting a data unit to which the playback control data containing said

10   abnormality belongs, and causing the signal processing means to continue a playback from the presentation data belonging to the detected data unit, without following said playback control data belonging to the detected data unit.

15   3.   An information playback apparatus for playing back contents formed by including one or more data sets having a plurality of files and first playback control data for managing contents of each of said files, and including one or more data units in which said files have presentation data and second playback control data for

20   managing contents of said presentation data, said information playback apparatus comprising:

signal processing means for performing a playback of said presentation data in accordance with control contents of said first and second playback control data;

25   abnormality detecting means for detecting whether there is

49

an abnormality in said first and second playback control data; and

control means for, when said signal processing means is playing back said presentation data and once said abnormality detecting means detects an abnormality in said first playback control data,

5   detecting a data set to which the first playback control data containing said abnormality belongs, and causing the signal processing means to perform a playback from the presentation data stored in an initial file belonging to the detected data set, without following said playback control data belonging to the detected data

10   set,

and for, when said signal processing means is playing back said presentation data and once said abnormality detecting means detects an abnormality in said second playback control data, detecting a data unit to which the second playback control data containing said

15   abnormality belongs, and causing the signal processing means to continue the playback from the presentation data belonging to the detected data unit, without following said playback control data belonging to the detected data unit.

20   4.   The information playback apparatus according to any one of claims 1 to 3, wherein said contents are recorded in a storage medium.

5.   The information playback apparatus according to any one of claims 1 to 3, wherein said contents are supplied through transmission

25   media.

50

6.   An information playback method for playing back contents formed
by including one or more data sets having a plurality of files for
storing presentation data and having playback control data for
managing contents of each of said files, said information playback
method comprising:

a signal processing step for performing a playback of said
presentation data in accordance with control contents of said
playback control data;

an abnormality detecting step for detecting whether there is
an abnormality in the playback control data; and

a control step for, when in said signal processing step said
presentation data is being played back and once said abnormality
detecting step detects an abnormality in said playback control data,
detecting a data set to which the playback control data containing
said abnormality belongs, and using the signal processing step to
play back the presentation data stored in an initial file belonging
to the detected data set, without following said playback control
data belonging to the detected data set.

7.   An information playback method for playing back contents formed
by including one or more data units having presentation data and
playback control data for managing the contents of the presentation
data, said information playback method comprising:

a signal processing step for performing a playback of said

51

presentation data in accordance with control contents of said

playback control data;

an abnormality detecting step for detecting whether there is

an abnormality in the playback control data; and

5   a control step for, when in said signal processing step said

presentation data is being played back and once said abnormality

detecting step detects an abnormality in said playback control data,

detecting a data unit to which the playback control data containing

said abnormality belongs, and continuing in the signal processing

10   step a playback from the presentation data belonging to the detected

data unit, without following said playback control data belonging

to the detected data unit.

8.   An information playback method for playing back contents formed

15   by including one or more data sets having a plurality of files and

first playback control data for managing contents of each of said

files, and including one or more data units in which said files

have presentation data and second playback control data for managing

contents of said presentation data, said information playback method

20   comprising:

a signal processing step for performing a playback of said

presentation data in accordance with control contents of said first

and second playback control data;

an abnormality detecting step for detecting whether there is

25   an abnormality in said first and second playback control data; and

52

a control step for, when in said signal processing step said presentation data is being played back and once said abnormality detecting step detects an abnormality in said first playback control data, detecting a data set to which the first playback control data

5   containing said abnormality belongs, and performing in said signal processing step a playback of the presentation data stored in an initial file belonging to the detected data set, without following said playback control data belonging to the detected data set,

and for, when in said signal processing step said presentation

10   data is being played back and once said abnormality detecting step detects an abnormality in said second playback control data, detecting a data unit to which the second playback control data containing said abnormality belongs, and continuing in the signal processing step the playback from the presentation data belonging

15   to the detected data unit, without following said playback control data belonging to the detected data unit.

9.   The information playback method according to any one of claims 6 to 8, wherein said contents are recorded in a storage medium.

20

10.   The information playback method according to any one of claims 6 to 8, wherein said contents are supplied through transmission media.

25   11.   A program for causing a computer to play back contents formed

53

by including one or more data sets having a plurality of files for storing presentation data and having playback control data for managing contents of each of said files, said program comprising:

a signal processing step for causing said computer to play

5   back said presentation data in accordance with control contents of said playback control data;

an abnormality detecting step for causing the computer to detect whether there is an abnormality in the playback control data; and

10   a control step for, when said computer uses said signal processing step to play back said presentation data and once said abnormality detecting step detects an abnormality in said playback control data, detecting a data set to which the playback control data containing said abnormality belongs, and using the signal

15   processing step to play back the presentation data stored in an initial file belonging to the detected data set, without following said playback control data belonging to the detected data set.

12.   A program for causing a computer to play back contents formed

20   by including one or more data units having presentation data and playback control data for managing the contents of the presentation data, said program comprising:

a signal processing step for causing said computer to play back said presentation data in accordance with control contents

25   of said playback control data;

54

an abnormality detecting step for causing said computer to detect whether there is an abnormality in the playback control data; and

a control step for, when said computer uses said signal processing step to play back said presentation data and once said abnormality detecting step detects an abnormality in said playback control data, detecting a data unit to which the playback control data containing said abnormality belongs, and using the signal processing step to continue a playback from the presentation data belonging to the detected data unit, without following said playback control data belonging to the detected data unit.

13.   A program for causing a computer to play back contents formed by including one or more data sets having a plurality of files and first playback control data for managing contents of each of said files, and including one or more data units in which said files have presentation data and second playback control data for managing contents of said presentation data, said program comprising:

a signal processing step for causing said computer to play back said presentation data in accordance with control contents of said first and second playback control data;

an abnormality detecting step for causing said computer to detect whether there is an abnormality in said first and second playback control data; and

a control step for, when said computer uses said signal

55

processing step to play back said presentation data and once said abnormality detecting step detects an abnormality in said first playback control data, detecting a data set to which the first playback control data containing said abnormality belongs, and using said

5   signal processing step to play back the presentation data stored in an initial file belonging to the detected data set, without following said playback control data belonging to the detected data set,

and for, when said computer uses said signal processing step

10   to play back said presentation data and once said abnormality detecting step detects an abnormality in said second playback control data, detecting a data unit to which the second playback control data containing said abnormality belongs, and using the signal processing step to continue the playback of the presentation data

15   belonging to the detected data unit, without following said playback control data belonging to the detected data unit.

14.   The program according to any one of claims 11 to 13, wherein said contents are recorded in a storage medium subjected to

20   information playback in said computer.

15.   The program according to any one of claims 11 to 13, wherein said contents are supplied to said computer through transmission media.